

Amendments to the Specification:

Please amend the specification as follows:

Please replace paragraph starting at page 2, line 22 with the following rewritten paragraph:

The device disclosed in related art 1 has control means for comparing a rotation detection signal for rolling centers and a travel speed detection signal for the roll source for all speeds to determine whether or not there is slip between the inner tube of the roll source and the rolling center, and for controlling pressing drive of the rolling center to prevent the slip, and because drive is carried out to increase contact force so as to stop the slip between them after slip arises, abrasion occurs at where surfaces of the inner tube of the roll source and the rolling centers contact each other. For example, if operation has progressed to where the roll paper is being pulled out at high speed and is then suddenly stopped, [[d,]] since slip occurs, there will be a large time lag until slippage is cancelled, and as a result abrasion occurs at contact surfaces of the inner tube of the roll source and the rolling centers.

Please replace paragraph starting at page 7, line 6 with the following rewritten paragraph:

A first stopper 11 having a thin truncated cone shape becoming smaller in outer diameter towards the tip so as to be easy to insert into an inner tube K of a paper roll R is attached to the tip of the first insertion section 16. Also, as shown in Fig. 3, Fig. 4 and Fig. 7, first inclined grooves 160 are formed in the first insertion section 16 at a plurality of places on the outer surface, in this embodiment at four places at intervals of 90 degrees. The first inclined grooves 160 are formed as grooves having an inclined surface so as to become gradually shallower in the radial direction and facing to the first flange section 15 side from respective tips. The respective first inclined grooves 160 are formed with a slit shaped slit groove 160a at the surface side of the insertion section 16, and a dovetail groove 160b having a wider dovetail shape than the slit groove 160a is formed in a groove bottom surface connecting to the slit groove 160a.

Please replace paragraph starting at page 7, line 19 with the following rewritten paragraph:

The first contact member 12 engages with the respective first inclined grooves 160 so as to be capable of movement in the groove direction of the first inclined grooves 160, upper sections (surface side) 12a of the first contact member 12 engage with the groove surface side slit grooves 160a, and a dovetail section 12b, being a base section (central side) of the first contact member 12 being formed in a cross sectional shape corresponding to the groove shape of the dovetail groove 160b, engages with the groove bottom surface side dovetail groove 160b. The first contact member 12 is prevented from coming off the first inclined grooves 160 by the engagement of the dovetail section 12b and the dovetail groove 160b, and can also reciprocate along the first inclined grooves 160.

Please replace paragraph starting at page 11, line 22 with the following rewritten paragraph:

A second stopper 51 having a thin truncated cone shape becoming smaller in outer diameter towards the tip so as to be easy to insert into an inner tube K of a paper roll R is attached to the tip of the second insertion section 56. Also, as shown in Fig. 5, Fig. 6 and Fig. 7, second inclined grooves 560 are formed in the second insertion section 56 at a plurality of places on the outer surface, in this embodiment at four places at intervals of 90 degrees. The second inclined grooves 560 are formed as grooves having an inclined surface so as to become gradually shallower in the radial direction and facing to the second flange section 55 side from respective tips. The respective second inclined grooves 560 are formed with a slit shaped slit groove 560a at the surface side of the insertion section 56, and a dovetail groove 560b having a wider dovetail shape than the slit groove 560a is formed in a groove bottom surface connecting to the slit groove 560a.

Please replace paragraph starting at page 21, line 1 with the following rewritten paragraph:

(3) Also, ~~with the invention disclosed in claim 3 of this application,~~ since the pressure change assigning means has fluid pressure setting means capable of changing, among two magnitudes of pressure to be assigned to at least one support means, at least the smaller pressure setting, it is possible to change settings by adjusting pressure in an axial direction to be assigned to a support member in response to differences in rotational inertia accompanying changes in weight of a paper roll, and it becomes possible to reduce the load conditions imposed on the paper roll support device. It is therefore possible to further improve the durability of the paper roll support device.